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foreign agriculture circular

U. S. Department of Agriculture
Foreign Agricultural Service
Economics and Statistics
Service

World Crop Production

Approved by the World Food and Agricultural Outlook and Situation Board • USDA

WCP-1-81

January 14, 1981

WORLD CROP PRODUCTION ESTIMATES LITTLE CHANGED FROM A MONTH AGO

Region	:	1978/79	:	1979/80	1980/81 proj.	
					Dec. 1/	Jan.
<u>Total grains (Million metric tons) 2/</u>						
World	:	1,584.4	:	1,535.7	1,540	1,542
United States	:	276.4		302.8	264	270
Rest of world	:	1,308.0		1,232.9	1,276	1,272
<u>Oilseeds (Million metric tons)</u>						
World	:	154.6		174.0	159.9	160.5
United States	:	58.3		72.2	55.2	56.3
Rest of world	:	96.2		101.8	104.6	104.2
<u>Cotton (Million bales)</u>						
World	:	60.2		65.7	64.0	64.1
United States	:	10.9		14.6	10.9	11.1
Rest of world	:	49.3		51.1	53.0	53.0
	:					

1/ Grains and oilseeds forecasts for December 1980/81 have been adjusted to reflect revisions in the Chinese historical levels.

2/ Includes rice on a rough basis.

- * Total world grain production for 1980/81 is forecast at 1,542 million tons, about unchanged from last month's forecast. Crop estimates have been lowered for China and India and raised for Argentina, Brazil, and the United States.
- * World wheat production in 1980/81 is forecast at 433 million tons, virtually unchanged from last month's forecast and 2 percent above the 1979/80 crop. Downward revisions in the estimates for Eastern Europe and India have been largely offset by increases for the United States and Brazil.
- * World coarse grain production in 1980/81 is forecast at 715 million tons, up $\frac{1}{2}$ percent from last month's forecast. Larger crops are now in prospect for Brazil and Argentina, and estimates for the U.S. and East European crops have also been increased. The estimate of China's crop has been reduced by $4\frac{1}{2}$ million tons due to lower-than-expected area and yields.
- * The world rice crop for 1980/81 is forecast at 394 million tons, down 1 million from last month's forecast, but still record large. Estimates have been lowered for Brazil and North Korea.
- * World oilseed production is forecast at 160.5 million tons for 1980/81, up 600,000 tons from the December forecast. Reduced prospects for soybean production in China are more than offset by upward revisions in U.S. oilseed crop estimates.

WORLD CROP PROJECTIONS

Estimates of 1980/81 production are still tentative. In the Northern Hemisphere, harvest of winter crops such as wheat and barley has ended, but the harvest of spring crops including corn, soybeans, and cotton is not quite complete. In the Southern Hemisphere, neither the harvest of winter grain crops nor the planting of spring crops is complete.

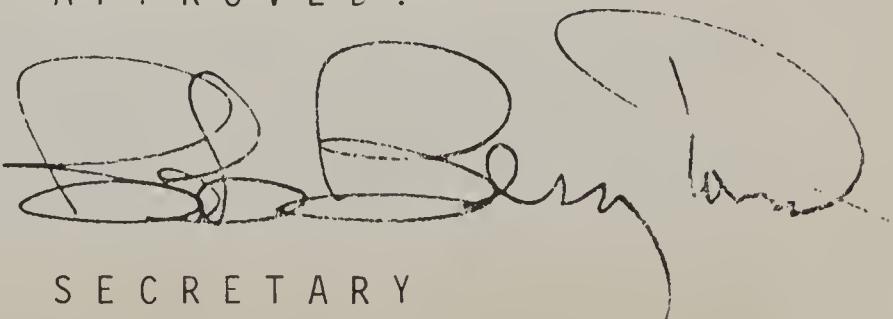
Crop projections generally are based on surveys, historical trends in area and yield, plus analysts' judgements. The projected ranges in this report should encompass final outcomes about two out of three times. The reliability of past world production estimates and measures of production variability are on pages 13 through 15.

This report includes revisions in 1978, 1979, and 1980 acreage, yield, and production estimates for U.S. crops that are, with the exception of any sunflower revisions, based on the U.S. Crop Production 1980 Annual Summary, released today by the Crop Reporting Board of ESS.

The World Crop Production report draws on information from USDA's global network of agricultural attaches, commodity analysts, country regional specialists, and the staff of the NOAA/USDA Joint Agricultural Weather Facility. The report is prepared by the Foreign Agricultural Service (FAS), the Economics and Statistics Service (ESS), and the World Food and Agricultural Outlook and Situation Board (WFAOSB). Principal contributors include:

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APPROVED:

A handwritten signature in black ink, appearing to read "John" or "John" followed by a surname, is written over a stylized, decorative flourish. The signature is positioned below the "APPROVED:" text.

SECRETARY

(continued from page 1)

- * The U.S. 1980/81 oilseed production estimate has been raised 1 million tons mainly because of larger estimated harvested soybean area.
- * The 1980/81 world cotton crop is estimated at 64.1 million bales, 1.6 million below last year, but slightly above month-earlier prospects. Since last month, production has been raised slightly for the United States, the Soviet Union, and Egypt. Estimates have been lowered for the crops in Pakistan, Brazil, and several minor producing countries. This season's sharply larger Soviet and Chinese crops are boosting foreign cotton production to a record 53 million bales.

WEATHER HIGHLIGHTS THROUGH DECEMBER 14

WESTERN USSR--Freeze-thaw weather in December and early January reduced snowcover over major winter wheat areas, though widespread light snows this past week have increased protection against winterkill.

ARGENTINA--Corn, sorghum, and soybean crops have benefited from near-normal precipitation and favorable temperatures as they advance through vegetative development and enter their reproductive period.

UNITED STATES--Mild weather has dominated the western United States and Rocky Mountain region while unseasonably cold temperatures have persisted in the eastern half of the United States. Dryness continues in the west-central Great Plains and, to a less degree, along the Appalachians from Virginia to Georgia. Precipitation has generally been above normal over the Pacific Northwest, the northern Rockies, along a belt from southwestern Texas to the central Great Lakes, and in the coastal regions of the Carolinas and eastern Florida.

BRAZIL--Rainfall was abundant on most crops and growth conditions are generally favorable, with the exception of some dryness in Western Parana.

EUROPE--The winter wheat areas of Western Europe have been mostly snow free with normal temperatures until unusually cold weather moved in last week. Some snow blanketed Eastern Europe as cold air penetrated into the southeast.

SOUTH AFRICA--Rainfall has been below average in western corn areas for several weeks. The crop will need moisture shortly to maintain good growth conditions as it advances through the reproductive cycle.

INDIA--Unusually heavy precipitation in December provided timely moisture for the winter wheat crop, which is now in late vegetative growth.

CHINA--Dry, cold weather has prevailed over much of the wheat area with the remaining in dormancy.

World crop production summary 1/

Commodity	Major regions and countries										
	United States	Canada	Western Europe	Eastern Europe	USSR	Central: Asia	Planned: Asia	South Asia	Other Asia	Near East	and
										Paki-	Indo-
										stan	Tha-

:Wheat											
1: 1978/79	48.3	21.1	58.5	35.8	120.8	54.0	31.7	8.4	---	---	---
2: 1979/80	58.1	17.2	55.7	27.6	90.2	62.5	35.5	9.9	---	---	---
: 1980/81											
3: Dec. proj.	64.3	19.1	63.8	34.8	90.0	57.0	32.0	10.8	---	---	---
4: Jan. proj.	64.5	19.1	63.9	34.3	90.0	57.0	31.6	10.8	---	---	---
:Coarse grains											
5: 1978/79	222.1	20.3	94.0	60.4	105.3	79.1	30.6	---	---	---	3.3
6: 1979/80	238.7	18.6	90.8	63.4	81.1	83.0	27.2	---	---	---	3.6
: 1980/81											
7: Dec. proj.	192.7	21.6	95.1	60.1	85.0	83.0	29.0	---	---	---	3.5
8: Jan. proj.	198.7	21.6	95.1	60.7	85.0	78.5	28.6	---	---	---	3.5
:Rice(rough)											
9: 1978/79	6.0	---	1.6	---	2.1	137.0	80.7	4.9	25.8	17.5	
10: 1979/80	6.0	---	1.8	---	2.4	144.0	63.3	4.8	26.3	15.7	
: 1980/81											
11: Dec. proj.	6.6	---	1.7	---	2.4	141.5	81.1	4.7	28.7	18.0	
12: Jan. proj.	6.6	---	1.7	---	2.4	141.5	81.1	4.7	28.7	18.0	
:Total grains 3/											
13: 1978/79	276.4	41.4	154.2	96.2	228.2	270.1	143.0	13.3	25.8	20.8	
14: 1979/80	302.8	35.8	148.3	91.0	173.7	289.5	126.0	14.7	26.3	19.3	
: 1980/81											
15: Dec. proj.	263.6	40.7	160.6	94.9	177.4	281.5	142.1	15.5	28.7	21.5	
16: Jan. proj.	269.8	40.7	160.7	95.0	177.4	277.0	141.3	15.5	28.7	21.5	
:Oilseeds 4/											
17: 1978/79	58.3	4.1	2.6	3.8	10.8	16.5	11.0	1.2	---	---	
18: 1979/80	72.2	4.3	2.7	3.6	10.4	17.5	10.2	1.7	---	---	
: 1980/81											
19: Dec. proj.	55.2	3.4	3.6	3.7	10.3	19.0	11.2	1.7	---	---	
20: Jan. proj.	56.3	3.4	3.6	3.7	10.5	18.6	11.2	1.6	---	---	
:Cotton											
21: 1978/79	10.9	---	---	---	12.3	9.9	6.3	2.1	---	---	
22: 1979/80	14.6	---	---	---	13.1	10.1	6.1	3.4	---	---	
: 1980/81											
23: Dec. proj.	10.9	---	---	---	14.2	11.0	6.1	3.3	---	---	
24: Jan. proj.	11.1	---	---	---	14.3	11.0	6.1	3.1	---	---	

1/ 1979/80 estimates are preliminary. The 1980/81 projections are based on surveys, trends, and judgement of commodity and country analysts. USDA Crop Reporting Board estimates are used for the United States. 2/ Historical data on area yield, and production of grain and oilseeds have been revised since last published and revised data have been incorporated in world totals. December projections have been adjusted from WCP-12-80 to reflect revised historical base levels. 3/ Includes total of wheat, coarse grains, and rice shown above. Projected Soviet crop of 185 million tons in special circular FG-1-81 (1-14-81) includes around 10 million tons of rice, minor grains, and pulses.

World crop production summary 1/--Continued

Major regions and countries					Total for	Other	World	less	United	World
Middle East	Latin America	Oceania	Caribbean	major	regions	coun-	United	States	United	World
and	and	Oceania	Caribbean	and	and	tries	United	States	United	World
Africa	Argentina	Brazil	Australia	countries						
Africa	Turkey	Tunisia	Australia	countries						
1.7	13.3	8.1	2.7	18.1	422.6	24.0	398.3	446.6	11	
2.1	13.0	8.1	2.9	16.1	399.0	23.2	364.1	422.2	22	
1.5	13.8	7.8	2.3	10.6	407.8	25.3	368.8	433.1	33	
1.5	13.8	7.8	2.5	10.6	407.3	25.2	368.1	432.6	44	
8.8	7.3	17.2	16.6	7.1	672.3	81.4	531.6	753.7	55	
11.5	7.6	10.6	20.5	6.4	663.2	76.0	500.4	739.1	66	
10.2	7.6	17.3	20.5	5.4	631.1	80.4	518.8	711.6	77	
10.2	7.6	17.8	22.1	5.5	635.0	80.3	516.7	715.3	88	
---	---	.3	7.6	.7	284.2	99.9	378.1	384.1	99	
---	---	.3	9.6	.6	274.8	99.6	368.4	374.4	1010	
---	---	.3	10.0	.7	295.7	99.4	388.5	395.1	1111	
---	---	.3	9.7	.6	295.3	99.0	387.7	394.3	1212	
10.5	20.6	25.6	26.9	25.9	1379.1	205.3	1308.0	1584.4	1313	
13.6	20.6	19.0	33.0	23.1	1337.0	198.7	1232.9	1535.7	1414	
11.7	21.4	25.4	32.8	16.7	1334.6	205.1	1276.1	1539.8	1515	
11.7	21.4	25.9	34.3	16.7	1337.6	204.5	1272.5	1542.2	1616	
---	---	6.1	11.6	---	126.1	16.5	96.2	154.6	1717	
---	---	5.6	16.5	---	144.7	16.8	101.8	174.0	1818	
---	---	6.0	16.5	---	130.7	16.7	104.6	159.9	1919	
---	---	6.0	16.4	---	131.3	16.7	104.2	160.5	2020	
--- Million 480-pound bales---										
---	2.2	.8	2.7	---	47.1	13.1	49.3	60.2	2121	
---	2.2	.7	2.7	---	53.0	12.8	51.1	65.7	2222	
---	2.2	.8	2.7	---	51.1	12.8	53.0	64.0	2323	
---	2.2	.7	2.6	---	51.2	12.9	53.0	64.1	2424	

4/ Totals for major regions and countries and other countries include the five major oilseeds shown elsewhere in this report, while world total also includes sesameseed, safflowerseed, flaxseed, castorbeans, copra, and palm kernels for countries shown plus other countries.

---No production reported or insignificant production.

*Totals may not add due to rounding.

Wheat area, yield, and production: World and selected countries and regions 1/

Region/country	Area : 1978/79 : 1979/80 : proj. ---Million hectares---	Yield : 1980/81 : 1978/79 : 1979/80 : proj. Metric tons per hectare	Production		
			: 1980/81 : 1978/79 : 1979/80 : proj. ---Metric tons per hectare	: 1980/81 : 1978/79 : 1979/80 : proj. ---Million metric tons	: 1980/81 : 1978/79 : 1979/80 : proj. ---Million metric tons
United States	22.9	25.3	28.7	2.11	2.30
Canada	10.6	10.5	11.1	2.00	1.64
Western Europe	15.9	15.6	16.4	3.69	3.58
Eastern Europe	10.2	9.3	9.7	3.50	2.97
USSR	62.9	57.7	61.3	1.92	1.56
Centrally Planned Asia	29.2	29.4	28.9	1.85	2.13
PRC 2/ South Asia	21.5	22.6	22.0	1.48	1.57
Pakistan	6.4	6.7	6.9	1.31	1.49
Middle East and Africa	1.8	1.9	1.6	.94	1.12
South Africa	8.6	8.6	8.6	1.55	1.51
Turkey	4.7	4.8	4.7	1.73	1.69
Latin America & Caribbean	2.8	3.8	3.1	.96	.75
Argentina	10.2	11.2	11.5	1.78	1.44
Brazil	207.6	207.3	214.5	2.04	1.92
Oceania	20.5	20.5	21.0	1.17	1.13
Australia	228.1	227.8	235.5	1.96	1.85
Total above	205.2	202.5	206.8	1.94	1.80
Other countries & regions	228.1	227.8	235.5	1.96	1.85
World	205.2	202.5	206.8	1.94	1.78
World less United States	36.5	37.5	38.9	2.60	2.34
Major foreign ex- porters 3/	36.5	37.5	38.9	2.60	2.34

1/ Totals and averages based on unrounded data. 1979/80 is estimated and preliminary. 1980/81 is projected based on surveys, trends, and analysts' judgement.

2/ Historical data on area, yield, and production have been revised since last published, and revised data have been incorporated in world totals. December projections have been adjusted from WCP-12-80 to reflect revised historical base levels.

3/ Includes Canada, Australia, Argentina, and EC.

Coarse grains area, yield, and production: World and selected countries and regions 1/

Region/country	Area	Yield	Production		
			1980/81	1980/81	1980/81
	Million hectares	Metric tons per hectare	Million metric tons	Million metric tons	Million metric tons
United States	43.2	41.4	5.15	222.1	238.7
Canada	7.8	7.1	2.60	20.3	18.6
Western Europe	26.3	25.2	3.58	3.60	3.87
Eastern Europe	19.2	19.9	3.15	3.18	3.12
USSR	58.0	61.2	1.82	1.33	1.48
Centrally Planned Asia	33.5	33.1	2.36	2.51	2.40
PRC 2/	42.4	41.3	.72	.66	.69
South Asia	1.7	1.7	1.8	1.91	2.05
India	5.3	4.1	1.66	2.12	1.93
Near East and Other Asia	4.1	4.1	1.79	1.82	1.82
Thailand	6.4	4.8	6.2	2.71	2.22
Middle East and Africa	11.6	12.5	13.8	1.44	1.64
South Africa	4.7	4.2	4.5	1.51	1.54
Turkey	264.0	262.3	260.8	2.55	2.53
Latin America & Caribbean	79.5	76.9	78.4	1.02	.99
Argentina	343.5	339.2	339.1	2.19	2.18
Brazil	300.3	297.4	297.7	1.77	1.68
Oceania	25.9	23.2	25.8	2.19	2.28
Total above	300.3	297.4	297.7	1.77	1.68
Other countries & regions	79.5	76.9	78.4	1.02	1.02
World	300.3	297.4	297.7	1.77	1.68
World less United States	25.9	23.2	25.8	2.19	2.28
Major foreign exporters 3/	25.9	23.2	25.8	2.19	2.28

1/ Totals and averages based on unrounded data. 1979/80 is estimated and preliminary. 1980/81 is projected based on surveys, trends and analysts' judgement.

2/ Historical data on area, yield, and production have been revised since last published, and revised data have been incorporated in world totals. December projections have been adjusted from WCP-12-80 to reflect revised historical base levels.

3/ Includes Canada, Australia, Argentina, South Africa, and Thailand.

Rice area, yield, and production (rough basis): World and selected countries and regions 1/

Region/country	Area	Yield	Production		
			1978/79	1979/80	1980/81
United States	1.2	1.3	5.03	5.15	4.93
Western Europe	.3	.3	5.03	5.76	5.47
USSR	.6	.6	3.62	3.92	3.69
Centrally Planned Asia	34.4	33.8	33.4	3.98	4.26
PRC 2/					
South Asia	10.1	10.2	1.91	1.82	2.08
Bangladesh	5.0	4.4	5.0	1.89	2.02
Burma	40.5	39.0	40.3	1.99	1.63
India					
Pakistan	2.0	2.0	2.42	2.38	2.33
Near East and Other Asia	8.9	8.8	9.0	2.89	2.98
Indonesia	2.5	2.5	2.4	6.18	5.99
Japan	1.2	1.2	1.2	5.98	6.27
South Korea	9.3	9.1	9.4	1.88	1.73
Thailand					
Latin America & Caribbean	1	1	1	3.06	2.60
Argentina	5.4	6.5	6.6	1.40	1.49
Brazil					
Oceania	.1	.1	.1	6.35	5.29
Australia					
Total above	121.8	119.8	122.1	2.76	2.71
Other countries & regions	20.8	21.3	21.7	2.31	2.33
World	142.6	141.0	143.8	2.69	2.65
World less United States	141.4	139.9	142.5	2.67	2.63
Major foreign exporters 2/	16.5	15.7	16.6	1.98	1.92

1/ Totals and averages based on unrounded data. 1979/80 is estimated and preliminary. 1980/81 is projected based on surveys, trends, and analysts' judgement.

2/ Historical data on area, yield, and production have been revised since last published, and revised data have been incorporated in world totals. December projections have been adjusted from WCP-12-80 to reflect revised historical base levels.

3/ Includes Australia, Burma, Pakistan, and Thailand.

Soybean area, yield, and production: World and selected countries and regions 1/

Region/country	Area	Yield	Production	1980/81						
				1978/79	1979/80	proj.	proj.			
---Million hectares---						Metric tons per hectare				
United States	25.76	28.56	27.46	1.97	2.16	1.80	50.86	61.72	48.30	49.45
Canada	.28	.28	.28	1.81	2.37	2.52	.52	.67	.71	.71
Eastern Europe	.36	.46	.52	1.26	1.40	1.08	.46	.64	.59	.56
USSR	.82	.84	.88	.78	.56	.62	.64	.47	.54	.54
Centrally Planned Asia PRC 2/	7.10	7.20	7.30	1.07	1.04	1.03	7.60	7.50	7.90	7.50
South Asia India	.28	.40	.55	.80	.75	.82	.22	.30	.45	.45
Latin America & Caribbean	1.60	1.78	1.86	2.31	1.97	2.10	3.70	3.50	3.90	3.90
Argentina	8.26	8.76	8.92	1.24	1.72	1.70	10.24	15.04	15.20	15.20
Brazil	.36	.44	.52	1.23	1.38	1.35	.45	.60	.70	.70
Paraguay										
Total above	44.82	48.71	48.29	1.67	1.86	1.64	74.68	90.44	78.29	79.00
Other countries & regions	2.16	2.32	2.15	1.18	1.26	1.19	2.54	2.92	2.55	2.56
World	46.98	51.03	50.44	1.64	1.83	1.62	77.22	93.36	80.84	81.56
World less United States	21.21	22.47	22.98	1.24	1.41	1.40	26.36	31.64	32.54	32.12
Major foreign ex- porters 3/	10.22	10.98	11.30	1.41	1.74	1.75	14.39	19.14	19.80	19.80

1/ Totals and averages based on unrounded data. 1979/80 is estimated and preliminary. 1980/81 is projected based on surveys, trends and analysts' judgement.

2/ Historical data on area, yield, and production have been revised since last published, and revised data have been incorporated in world totals. December projections have been adjusted from WCP-12-80 to reflect revised historical base levels.

3/ Includes Argentina, Brazil, and Paraguay.

Commodity	Major regions and countries								
	United States	Canada	Western Europe	Eastern Europe	USSR	Asia	Centrally Planned	South Asia	Pakistan
							PRC 2/	India	stan
:							---Million metric tons---		
<u>Cottonseed</u>									
1: 1978/79	3.87	---	.33	.04	4.80	4.33	2.73	.92	
2: 1979/80	5.24	---	.28	.04	4.51	4.41	2.64	1.38	
3: 1980/81									
3: Dec. proj.	3.89	---	.34	.04	5.30	4.80	2.70	1.32	
4: Jan. proj.	3.96	---	.34	.04	5.50	4.80	2.70	1.28	
:									
<u>Peanuts</u>									
: (In-shell)									
5: 1978/79	1.79	---	.02	---	---	2.38	6.21	.05	
6: 1979/80	1.80	---	.02	---	---	2.82	5.77	.06	
7: 1980/81									
7: Dec. proj.	1.04	---	.02	---	---	3.20	6.00	.06	
8: Jan. proj.	1.04	---	.02	---	---	3.20	6.00	.06	
:									
<u>Sunflowerseed</u>									
9: 1978/79	1.82 4/	.12	.61	1.96	5.33	.28	---	---	
10: 1979/80	3.48 4/	.22	.74	2.27	5.41	.34	.01	---	
11: 1980/81									
11: Dec. proj.	1.99 4/	.17	.80	1.92	4.50	.70	.01	---	
12: Jan. proj.	1.82 4/	.17	.81	1.92	4.50	.70	.01	---	
:									
<u>Rapeseed</u>									
13: 1978/79	---	3.50	1.59	1.35	.01	1.87	1.86	.24	
14: 1979/80	---	3.41	1.64	.67	.01	2.40	1.43	.30	
15: 1980/81									
15: Dec. proj.	---	2.51	2.47	1.16	.01	2.35	2.00	.30	
16: Jan. proj.	---	2.51	2.47	1.16	.01	2.35	2.00	.30	
:									

1/ Totals and averages based on unrounded data. 1979/80 is estimated and preliminary. 1980/81 is projected based on surveys, trends and analysts' judgement.

2/ Historical data on area, yield, and production have been revised since last published, and revised data have been incorporated in world totals. December projections have been adjusted from WCP-12-80 to reflect revised historical base levels.

3/ Countries included: India, Sudan, Argentina, and Brazil for cottonseed; Eastern Europe and Argentina, sunflowerseed; Canada, rapeseed; and India, Senegal, Sudan, Argentina, and Brazil, peanuts.

4/ Assumes reported production for four States representing 95 percent of U.S. total.

---No production reported or less than 5,000 tons.

Oilseeds production: World and selected countries, regions, and commodities--Cont.

Cotton (all kinds) area, yield, and production: World and selected countries and regions 1/

Region/country	Area		Yield		Production	
	1978/79	1979/80	1980/81	1979/80	1980/81	1979/80
	: proj.		: proj.		: proj.	
---Million hectares---						
				Kilograms per hectare	---Million 480-pound bales---	
United States	5.0	5.2	5.3	471	613	461
USSR	3.0	3.1	3.1	878	925	989
Centrally Planned Asia					12.3	13.1
PRC	4.8	4.5	4.8	447	491	499
South Asia					9.9	10.1
India	8.1	8.1	8.0	168	164	166
Pakistan	1.9	2.0	2.0	244	366	342
Middle East and Africa					2.1	3.4
Egypt	.5	.5	.5	878	963	983
Sudan	.4	.4	.4	358	327	348
Turkey	.7	.6	.7	728	778	710
Latin America & Caribbean					2.0	2.2
Argentina	.7	.6	.5	260	283	320
Brazil	2.0	2.0	2.0	295	292	284
Central America <u>2/</u>	.4	.3	.3	843	909	924
Mexico	.3	.4	.4	964	859	913
Total above	27.8	27.6	27.9	414	461	444
Other countries & regions					52.9	58.4
World	32.4	32.1	32.7	404	445	426
World less United States	27.4	27.0	27.5	392	413	420
Major foreign exporters <u>3/</u>					52.9	56.7
	7.2	7.3	7.4	674	723	749

1/ Totals and averages based on unrounded data. 1979/80 estimates are preliminary. 1980/81 is projected based on surveys, trends, and analysts' judgement.

2/ Includes Nicaragua, Guatemala, El Salvador, Honduras, and Costa Rica.

3/ Includes the USSR, Pakistan, Egypt, Sudan, Turkey, Central America, and Mexico.

WHEAT: RELIABILITY OF DECEMBER WORLD CROP PRODUCTION FORECASTS

Region	Standard Error of Estimate from Trend-68% Confidence Level			Seven Year Record of Difference Between December Forecast & Final Estimate								
	Percent	:	Quantity	Average Percent	Quantity Average:Smallest:Largest			Number of Years 2/ Below : Above Final : Final				
			Million MT		(-----Million MT-----)							
<u>North America</u>												
Canada	16.8		3	0.3	-	-	1/	2	-			
United States	9.3		5	0.3	-	-	-	3	-			
<u>Western Europe</u>	7.6		4	0.5	-	-	-	6	-			
<u>Eastern Europe</u>	11.9		4	2.0	1	-	-	3	4			
<u>Oceania</u>												
Australia	20.2		2	6.6	1	-	2	5	-			
<u>South Asia</u>												
India	9.1		2	1.3	-	-	2	1	-			
Pakistan	6.5		1					N/A	N/A			
<u>Centrally Planned Asia</u>												
China	9.5		4					N/A	N/A			
<u>USSR</u>	16.6		16	3.2	3	1	5	6	1			
<u>Middle East and Africa</u>												
South Africa	16.7		-					N/A	N/A			
Turkey	9.3		1					N/A	N/A			
<u>Latin America & Caribbean</u>												
Argentina	22.5		2	9.9	1	-	1	4	2			
Brazil	4/6		1					N/A	N/A			
<u>Total Above</u>				1.4	4	1	8	6	1			
<u>Others</u>	6.4		3	1.3	2	-	5	5	2			
<u>World Total</u>	5.6		21	1.4	6	2	10	6	1			
<u>World Less U.S.</u>	7.2		23	1.7	6	2	10	6	1			
<u>Major Competitors 3/</u>	8.0		3	2.9	1	-	3	5	1			

1/ Less than 500,000 tons

2/ May not add up to 7 if December estimate was the same as final

3/ Includes Canada, Australia, and Argentina

Note 1: N/A means no published forecasts are available.

Note 2: Standard errors of the estimates are derived from 10 year production trends, 1970-1979; percent error is calculated at the mean. The 7 year record is based upon absolute differences from final estimates.

FAS:CP:G&F:October 8, 1980

31/AR10

COARSE GRAINS: RELIABILITY OF DECEMBER WORLD CROP PRODUCTION FORECASTS

Region	Standard Error of Estimate from Trend-68% Confidence Level			Seven Year Record of Difference Between December Forecast & Final Estimate						
	Percent	:	Quantity	Average Percent	Quantity Average:Smallest:Largest			Number of Years 2/ Below Final : Above Final		
			Million MT		(-----Million MT-----)					
<u>North America</u>										
Canada	9.8		2	2.5	1	- 1/	2	2	3	
United States	9.3		17	1.0	2	1	4	4	2	
<u>Western Europe</u>	6.7		6	1.2	1	1	3	4	2	
<u>Eastern Europe</u>	4.9		3	2.5	1	-	-	5	1	
<u>Oceania</u>										
Australia	19.2		1	9.8	1	1	1	3	4	
<u>South Asia</u>										
India	9.6		3					N/A	N/A	
<u>Centrally Planned Asia</u>								N/A	N/A	
China	4.1		3							
<u>Near East & Other Asia</u>										
Thailand	19.2		-	1.0	-	-	-	-	1	
USSR	18.2		16	3.0	3	2	4	5	1	
<u>Middle East and Africa</u>										
South Africa	27.3		2	13.9	1	-	3	5	2	
Turkey	15.2		1					N/A	N/A	
<u>Latin America & Caribbean</u>										
Argentina	20.0		3	20.9	3	1	6	4	3	
Brazil	10.2		2	9.9	2	4	4	3	1	
<u>Total Above</u>				0.8	4	1	6	4	-	
<u>Others</u>	4.6		4	1.9	3	1	6	3	3	
<u>World Total</u>	3.5		23	0.9	5	-	8	5	2	
<u>World Less U.S.</u>	4.0		19	1.0	5	1	10	5	2	
<u>Major Competitors 3/</u>	5.8		4	5.2	3	1	5	2	5	

1/ Less than 500,000 tons

2/ May not add to 7 if December estimate was the same as final

3/ Includes Canada, Australia, Argentina, S. Africa, Thailand, and Brazil

Note 1: N/A means no published forecasts are available.

Note 2: Standard errors of the estimates are derived from 10 year production trends, 1970-1979; percent error is calculated at the mean. The 7-year record is based upon absolute differences from final estimates.

FAS:CP:G&F:October 8, 1980

31/AR8

Cotton, rice (rough), and oilseeds production: 1980/81 trend projections and standard errors 1/

Regions	Cotton			Rice (rough)			Oilseeds		
	Trend	Standard error	Trend	Standard error	Trend	Standard error	Trend	Standard error	Trend
	Projection	Quantity	Projection	Quantity	Projection	Quantity	Projection	Quantity	Projection
	:—Mil. bales—			:—Mil. MT—			:—Mil. MT—		
U.S. 3/	11.1	.2	1.5	6.6	.2	2.4	48.3	1.3	2.6
Canada	---	---	---	---	---	---	2.9	2/	.8
Western Europe	---	---	---	1.6	.1	6.7	---	---	---
Eastern Europe	---	---	---	---	---	---	---	---	---
USSR	13.2	.4	3.0	2.5	.1	7.7	5.4	4/	.8
Centrally Planned Asia									
PRC	10.2	.9	8.8	143.4	3.2	3.0	---	---	---
South Asia									
Bangladesh	---	---	---	18.8	1.1	6.6	---	---	---
Burma	---	---	---	9.7	.6	7.2	---	---	---
India	6.1	.5	8.2	74.9	5.8	9.4	6.1	5/	.8
Pakistan	2.4	.5	20.8	4.9	.2	6.4	---	---	---
Near East & Other Asia									
Indonesia	---	---	---	26.1	1.1	5.7	---	---	---
Japan	---	---	---	15.1	1.1	7.0	---	---	---
South Korea	---	---	---	7.6	.5	8.6	---	---	---
Thailand	---	---	---	16.6	.8	6.0	---	---	---
Middle East and Africa									
Egypt	1.8	.2	11.1	---	---	---	---	---	---
Senegal	---	---	---	---	---	---	.7	5/	.3
South Africa	---	---	---	---	---	---	---	---	---
Sudan	.5	.2	40.0	---	---	---	---	---	---
Turkey	2.4	.3	12.5	---	---	---	---	---	---
Latin America & Caribbean									
Argentina	1.0	.1	10.0	.4	.1	16.7	---	---	---
Brazil	2.4	.4	16.7	8.5	.8	11.6	15.5	6/	1.7
Mexico	1.4	.4	28.6	---	---	---	---	---	---
Oceania									
Australia	---	---	---	.6	.1	20.0	---	---	---
Foreign	50.3	2.7	5.4	379.1	8.7	2.9	---	---	---
World	63.3	4.2	6.6	385.1	8.7	2.8	17.0	8.5	5.0
									7/

1/ This table provides a measure of year-to-year variability in production from linear trend during 1970/71-1979/80 for cotton and oilseeds and 1960/61-1979/80 for rice. Data reflect one standard error, i.e. 68-percent confidence level. In the case of USSR cotton, for example, there is a 68-percent probability that 1980/81 production will total within 0.4 million bales or 3.0 percent of the trend projection of 13.2 million. Production estimates may differ from trend, based on analysts' judgement and other factors. 2/ Rapeseed. 3/ Crop Reporting Board estimates of U.S. production and associated root mean square errors. Oilseeds are soybeans only.

4/ Sunflowerseed. 5/ Peanuts. 6/ Soybeans. 7/ Percentages for individual oilseeds: soybeans, 6.4; cottonseed, 6.1; sunflowerseed, 9.3; peanuts, 5.5; and rapeseed 8.9.

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